

Laboratory Oriental Rubber Industries Limited, Ghat No. 735, Off Shikrapur Pune Village- Karandi, Tal.- Shirur, Pune, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Discipline Mechanical Testing **Issue Date** 21.07.2015

Certificate Number T-1901 **Valid Until** 20.07.2017

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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I. PLASTICS, RUBBER AND LEATHER				
1.	Rubber Conveyor Belts & Rubber sheets	Length	ISO 251: 2012 IS 1891 (Part 1): 1994 BS 490 (Part 10): 1984 DIN 22102: 1991 AS1334.1: 1982 SANS 971: 2013	1.0 m to 1000 m
		Width	ISO 251: 2012 IS 1891 (Part 1): 1994 DIN 22102: 1991 AS1334.2: 1984	1.0 mm to 3000 mm
		Hardness	IS 3400 (Part 2): 2012 ISO 7619 (Part 1): 2010	30 to 85 Shore A
		Thickness	SANS 1173: 2013 IS 1891 (Part 1): 1994 BS 490 (Part 10): 1984 DIN 22102: 1991 AS1334.2A: 1984 SANS 971: 2013	0.1 mm to 50 mm
		Adhesion	IS 1891 (Part 1): 1994 DIN 53530: 1981 AS1334.7: 1982 ISO 252: 2007 IS 3400 (Part 5): 2004 SANS 10037: 2009 BS 490 (Part 10): 1984	1.0 kN/m to 20 kN/m
		Full Thickness Breaking Strength (Warp & weft)	ISO 283: 2007 IS 1891 (Part 1): 1994 AS 1334.3: 1982 BS 490 (Part 10): 1984	100 kN/m to 1900 kN/m

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	Rubber Conveyor Belts & Rubber sheets	Full Thickness Elongation @ Ref Load (Warp)	ISO 283: 2007 IS 1891 (Part 1): 1994 AS 1334.3: 1982 BS 490 (Part 10): 1984	0.1 % to 10 %
		Full Thickness Elongation At Break (Warp & Weft)	ISO 283: 2007 IS 1891 (Part 1): 1994 BS 490 (Part 10): 1984 AS 1334.3: 1982 SANS 1173: 2013	1.0 % to 40 %
		Cover properties Tensile strength (Before & after Ageing)	IS 3400 (Part 1): 2012 DIN 53504: 2009 AS 1683.11: 2001 ISO 37: 2005 IS 1891 (Part 1): 1994 IS 3400 (Part 4): 2012 SANS 10037: 2009 SANS 54: 2009 BS 490 (Part 10): 1984	1.0 MPa to 27 MPa Ageing Temp Upto 200° C
		Cover properties Elongation at Break (Before & after Ageing)	IS 3400 (Part 1): 2012 DIN 53504: 2009 AS 1683.11: 2001 ISO 37: 2005 IS 1891 (Part 1): 1994 IS 3400 (Part 4): 2012 SANS 10037: 2009 SANS 54: 2009 BS 490 (Part 10): 1984	10 % to 800 %
		Abrasion loss	ISO 4649: 2002 IS 3400 (Part 3): 2004 IS 1891 (Part 1): 1994	40 mm ³ to 250 mm ³

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	Rubber Conveyor Belts & Rubber sheets	Drum friction test	AS 1334.11: 1989 CAN/CSA.M422.M87 (2012) Type C IS 1891 (Part 5): 1999	29 °C to 400 °C
		Flame Test	ISO 340: 2013 CAN/CSA.M422.M87: 2012 Type C IS 1891 (Part 5): 1993 SANS 340: 2006	1 s to 180 s
		Antistatic properties	AS 1334.9: 1982 ISO 284: 2012 CAN/CSA.M422.M87: 2012 IS 1891 (Part 5): 1999	0 to 300 MΩ
		Oil Swelling Test	IS 3400 (Part 6): 2012	Upto 150 %
		Troughability	ISO 703: 2007 IS 1891 (Part 1): 1994 BS 490 (Part 10): 1984 DIN 22107: 1984 AS 1334.4: 1982	0.05 to 1.0

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